

Clarification/Nitrate Removal

This is the process where the liquid and solids are separated. The microorganisms are allowed to settle in the clarifiers. They are recycled back to the Biological process and excess are wasted off to the digesters for treatment that ends in the production of 15 dry tons of biosolids per day.

Treatment Process

1. Flow slowed allowing microorganisms to settle
2. Water over clarifiers flows to polishing filters to remove any small particles remaining
3. Nitrate removal
 1. Removed from water through denitrifying bacteria
 2. Nitrate to nitrogen gas
 3. Use methanol as carbon source

